

IN THE CLAIMS

Please amend claims 1 and 38. Please cancel claims 36, 37, 39, 42, 52, and 53. The current status of the claims is reflected in the below listing of the claims.

1. (Currently amended) A topical veterinary composition for the treatment ~~or prevention of bovine mammary infections~~ of bovine mastitis comprising iodine as an anti-microbial agent and a phospholipid-containing skin conditioner, wherein the phospholipid is selected from the group consisting of: linoleamidopropyl phosphatidylglycerol dimonium chloride phosphate;
~~ecccamidopropyl phosphatidylglycerol dimonium chloride phosphate;~~
sunfloweramidopropyl phosphatidylglycerol dimonium chloride phosphate;
sodium olivamidopropyl phosphatidylglycerol dimonium chloride phosphate;
stearamidopropyl phosphatidylglycerol dimonium chloride phosphate;
ricinoleamidopropyl phosphatidylglycerol dimonium chloride phosphate;
di-linoleamidopropyl phosphatidylglycerol dimonium chloride phosphate;
poly(ethylene glycol)_{n=8} dimethicone sunfloweramidopropyl phosphatidylglycerol dimonium chloride phosphate complex;
dimethicone saffloweramidopropyl phosphatidylglycerol dimonium chloride phosphate complex;
sodium grapeseedamidopropyl phosphatidylglycerol dimonium chloride phosphate; and

sodium borageamidopropyl phosphatidylglycerol dimonium chloride phosphate.

2. (Canceled)

3. (Original) The composition of claim 1 comprising between about 0.01 and about 20 wt % phospholipid compound.

4. (Previously presented) The composition of claim 1 comprising between about 0.1 and about 2 wt % iodine as the anti-microbial agent.

5. (Previously presented) The composition of claim 1 wherein the composition is a concentrate for dilution with a diluent to yield a ready-to-use composition comprising between about 0.01 and about 20 wt % phospholipid compound and between about 0.1 and 2 wt % iodine.

6. (Canceled)

7. (Previously presented) The composition of claim 1 wherein the phospholipid is linoleamidopropyl phosphatidylglycerol dimonium chloride phosphate.

8. (Previously presented) The composition of claim 1 wherein the phospholipid is present in a weight ratio to iodine of between about 0.1:1 and about 10:1.

9. (Previously presented) The composition of claim 1 wherein the phospholipid is present in a weight ratio to iodine of between about 1:1 and about 4:1.

10. (Previously presented) The composition of claim 1 wherein the phospholipid is present in a weight ratio to iodine of between about 1.5:1 and about 2.5:1.

11. (Previously presented) The composition of claim 1 wherein the phospholipid is present in a weight ratio to iodine of about 2:1.

12. (Withdrawn) The composition of claim 1 further comprising a phosphate ester surfactant.

13. (Withdrawn) The composition of claim 12 wherein the phosphate ester surfactant comprises an alkyl-aryl poly(ethoxy) phosphate ester.

14. (Withdrawn) The composition of claim 13 wherein the phosphate ester surfactant has an alkyl moiety in the range of C7 to C14 and a degree of polymerization in the range of 2 to 6.

15. (Withdrawn) The composition of claim 12 wherein the phosphate ester surfactant comprises a C10 to a C18 fatty acid poly(ethoxy) phosphate ester.

16. (Withdrawn) The composition of claim 12 wherein the phosphate ester surfactant is selected from the group consisting of capric, lauric, myristic, palmitic, stearic, oleic, linoleic, linolenic, and arachidonic acid and their corresponding isomers with a degree of polymerization ranging from 2 to 6.

17. (Original) The composition of claim 1 further comprising a synthetic surfactant.

18. (Original) The composition of claim 17 wherein the synthetic surfactant comprises an alkyl-aryl poly(ethoxy) ethanol.

19. (Original) The composition of claim 17 wherein the synthetic surfactant comprises an n-alkyl poly(ethoxy) ethanol.

20. (Original) The composition of claim 18 wherein the synthetic surfactant has an alkyl moiety in the range of C7 to C14 and has a degree of polymerization in the range of 7-14.

21. (Original) The composition of claim 19 wherein the synthetic surfactant has an alkyl moiety in the range of C7 to C14 and has a degree of polymerization in the range of 7-14.

22. (Original) The composition of claim 18 wherein the synthetic surfactant has an alkyl moiety in the range of C8 to C9 and has a degree of polymerization in the range of 9-10.

23. (Original) The composition of claim 19 wherein the synthetic surfactant has an alkyl moiety in the range of C8 to C9 and has a degree of polymerization in the range of 9-10.

24. (Original) The composition of claim 1 further comprising a thickening agent.

25. (Original) The composition of claim 24 wherein the thickening agent comprises an alkyl-hydroxy cellulose.

26. (Original) The composition of claim 24 wherein the thickening agent has an alkyl moiety in the range of C1 to C3.

27. (Original) The composition of claim 24 wherein the thickening agent has an alkyl moiety of C2.

28. (Original) The composition of claim 1 further comprising any bioactive tocopherol.

29. (Original) The composition of claim 28 wherein the bioactive tocopherol is vitamin E.

Claims 30 - 37. (Canceled)

38. (Withdrawn - Currently amended) A method to treat or prevent bovine mastitis in a lactating cow comprising topically applying to an udder of the cow a veterinary composition comprising iodine as an anti-microbial agent and a phospholipid-containing skin conditioner, wherein the phospholipid is selected from the group consisting of:
linoleamidopropyl phosphatidylglycerol dimonium chloride phosphate;
sunfloweramidopropyl phosphatidylglycerol dimonium chloride phosphate;
sodium olivamidopropyl phosphatidylglycerol dimonium chloride phosphate;
stearamidopropyl phosphatidylglycerol dimonium chloride phosphate;
ricinoleamidopropyl phosphatidylglycerol dimonium chloride phosphate;

di-linoleamidopropyl phosphatidylglycerol dimonium chloride phosphate;
poly(ethylene glycol)_{n=8} dimethicone sunfloweramidopropyl phosphatidylglycerol dimonium chloride phosphate complex;
dimethicone saffloweramidopropyl phosphatidylglycerol dimonium chloride phosphate complex;
sodium grapeseedamidopropyl phosphatidylglycerol dimonium chloride phosphate; and
sodium borageamidopropyl phosphatidylglycerol dimonium chloride phosphate.

39. (Canceled)

40. (Withdrawn) The method of claim 38 wherein the veterinary composition comprises between about 0.01 and about 20 wt % phospholipid compound.

41. (Withdrawn) The method of claim 38 wherein the veterinary composition comprises between about 0.1 and about 2 wt % iodine as the anti-microbial agent.

Claims 42 - 43. (Canceled)

44. (Withdrawn) The method of claim 38 wherein the phospholipid is present in a weight ratio to the antimicrobial agent of between about 0.1:1 and about 10:1.

45. (Withdrawn) The method of claim 38 wherein the phospholipid is present in a weight ratio to the antimicrobial agent of between about 1:1 and about 4:1.

46. (Withdrawn) The method of claim 38 wherein the phospholipid is present in a weight ratio to the antimicrobial agent of between about 1.5:1 and about 2.5:1.

47. (Withdrawn) The method of claim 38 wherein the phospholipid is present in a weight ratio to the antimicrobial agent of about 2:1.

48. (Withdrawn) The method of claim 38 wherein the composition comprises: between about 0.01 and about 20 wt % of a phospholipid compound; between about 0.1 and 2 wt % iodine as an anti-microbial agent; an emollient; and water.

49. (Withdrawn) The method of claim 48 wherein the phospholipid is present in a weight ratio to the anti-microbial agent of between about 1:1 and about 4:1.

50. (Withdrawn) The method of claim 48 wherein the phospholipid is present in a weight ratio to the anti-microbial agent of between about 1.5:1 and about 1.

51. (Withdrawn) The method of claim 48 wherein the phospholipid is present in a weight ratio to the anti-microbial agent of about 2:1.

Claims 52 - 53. (Canceled)

54. (Previously presented) The composition of claim 1 wherein the phospholipid is sunfloweramidopropyl phosphatidylglycerol dimonium chloride phosphate.

55. (Previously presented) The composition of claim 1 wherein the phospholipid is sodium olivamidopropyl phosphatidylglycerol dimonium chloride phosphate.

56. (Previously presented) The composition of claim 1 wherein the phospholipid is stearamidopropyl phosphatidylglycerol dimonium chloride phosphate.

57. (Previously presented) The composition of claim 1 wherein the phospholipid is ricinoleamidopropyl phosphatidylglycerol dimonium chloride phosphate.

58. (Previously presented) The composition of claim 1 wherein the phospholipid is di-linoleamidopropyl phosphatidylglycerol dimonium chloride phosphate.

59. (Previously presented) The composition of claim 1 wherein the phospholipid is poly(ethylene glycol)_{n=8} dimethicone sunfloweramidopropyl phosphatidylglycerol dimonium chloride phosphate complex.

60. (Previously presented) The composition of claim 1 wherein the phospholipid is dimethicone saffloweramidopropyl phosphatidylglycerol dimonium chloride phosphate complex.

61. (Previously presented) The composition of claim 1 wherein the phospholipid is sodium grapeseedamidopropyl phosphatidylglycerol dimonium chloride phosphate.

62. (Previously presented) The composition of claim 1 wherein the phospholipid is sodium borageamidopropyl phosphatidylglycerol dimonium chloride phosphate.